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Sequence
(9912_6/prodata1/paa/PCI_NEW_COMB. pep:PCT-1020_9944-654 + 2551.60 240.02 5.1e-126 4 (1992_6/prodata1/paa/PCI_NEW_COMB. pep:PCT-1020_9946-654 + 2551.60 240.02 5.1e-126 4 (1992_6/prodata1/paa/USGB_NEW_COMB. pep:PCT-1037-6674 + 2455.00 2345.317 1.4e-121 511 (1992_6/prodata1/paa/USGB_NEW_COMB. pep:PCT-1037-6674 + 2457.00 2329.317 1.4e-121 511 (1992_6/prodata1/paa/USGB_NEW_COMB. pep:PCT-1037-6674 + 2457.00 2394.05 5.0e-120 5.0
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04.50 287.
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OM of: US-08-711-417C-165 to: Pending_Patents_AA_New:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database: Pending_Patents_AA_New:'
Batabase sequences: 747981
Database length: 24050750
Search time (sec): 237.910000
                                                                                                           Date: Aug 28, 2002 10:20 AM
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Query: US-08-711-417C-165
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CURRENT APPLICATION NUMBER: PCT/US02/09944

CURRENT FILING DATE: 2002-03-27

PRIOR APPLICATION NUMBER: 60/280,067; 60/279,619; 60/280,068; 60/291,280; 60/291,8

FOR PRIOR PLICATION NUMBER: 60/280,067; 60/299,776

FOR FILING DATE: 2001-03-29; 2001-03-28; 2001-03-29; 2001-05-16; 2001-05-17; 2001-05-17; 2001-06-19; 2001-06-20

NUMBER OF SEC ID NOS: 792

SOFTWARE: PERL PROGram
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: MOLECULES FOR DISEASE DETECTION AND TREATMENT FILE REFERENCE: PT-1231 PCT
                                                                                                                                                 seq_name: /cgn2_6/ptodata/1/paa/PCT_NEW_COMB.pep:PCT-US02-09944-654
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Gaps: 3
Percent Identity: 96.988
                                                                                                                                                                                                                   Sequence 654, Application PC/TUS0209944 GENERAL INFORMATION:
APPLICANT: INCYTE GENOMICS, INC.
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US-08-711-417C-165 x PCT-US02-09944-654
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TRAN, Alanna-Phung B.
DAHL, Christopher R.
GIETZEN, Darryl
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LIU, Tommy F.
NGUYEN, Duy-Viet An
KLEEFELD, Yael
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LAN, Ruth Y.
URASHKA, Michael E.
                                                                                                                                                                                                                                                                                                                                                                                                                                            DUFOUR, Gerard E. HILLMAN, Jennifer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Samantha A.
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AMSHEY, Stefan R.
DAUGHERTY, Sean C
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FLORES, Vincent
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TUASON, Olivia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DAVID, Marie H
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Ratio: 5.186
nilarity: 98.795
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64 GATACTCCAGATGAGGGCGATGAGCCCATGCCGATCCCCGAGGACCTCTC 113

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961 CTGGGGGCCGAGTCCCTGCGCCCGCTGCAGACGCCCCGGGCGGTTC 1010
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2 AspThrProAspGluGlyAspGluProMetProIleProGluAspLeuSe
                                                 164 GTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAATGGGCGTGCCTGT
                                                                                                                                                               214 GAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCTC
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                                114 CACCACCTCGGGAGGACAGCAAAGCTCCAAGAGTGACAGAGTCGTGGCCA
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                                                                                             1158 GTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAGAGCAACAACG
                                                                                                                                                                                                                                                       368 aSerProSerAsnSerCysGlnAspSerThrAspThrGluSerAsnAsnG
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                                                                                                                                                                                                                                                                                                                                  385 luGluGlnArgSerGlyLeuIleTyrLeuThrAsnHisIleAlaProHis
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                                                                                                                                                                                                                                                                                                                                                                                                             1305 GCGCGCCCCCCCGAGAACTCGCAGGACGCCCTCCGCGTGGTCAGCACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1405 CTGGATCACGTCATGTACACCATCCACATGGGCTGCCACGGCTTCCGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                468 pProPheGluCysAsnMetCysGlyTyrHisSerGlnAspArgTyrGluP
                                                                          1058 CGGAGGCACCCCGCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGAG
                                                                                                                                                     1108 TACCTGCTGCTGCTCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGAGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1505 TCTCGTCGCACATAACGCGAGGGGAGCACCGCTTCCACATGAGC 1548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Percent Identity: 100.000
1011 CGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCACAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Georgopoulos, Katia
APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: ANOLOS GENE
FILE REFERENCE: 10287-030001
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1996-06-14
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
SOFWWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   seq_documentation_block:
; Sequence 25, Application US/08733622C
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouality: 2467.00
Ratio: 5.351
Percent Similarity: 100.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
CRCANISM: Homo sapiens
US-08-733-622C-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      alignment_scores:
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215
                                                                                                               216 AATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCTCGG 265
                                                                                                                                                                  316 GGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGATATCTG 365
                                                                                                                                                                                                                                                                         366 IGGGATCATTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAAGAAGCC 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              966 GGCCGAGTCCCTGCGCCCGCTGCTGCAGACGCCCCCGGGCGGTTCCGAGG 1015
                                                                                                                                                                                                                                                                                                                                 465
                                                                                                                                                                                                                                                                                                                                        566 CTGGCCACCTGAGGACGCACTCCGTTGGTAAACCTCACAAATGTGGATAT 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAAAGAGCG 665
                                                                                                                              117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                151 CysGlyArgSerTyrLysGlnArgThrSerLeuGluGluHisLysGluar 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CIGCCACAACTACTIGGAAAGCAIGGGCCTICCGGGCACACIGIACCCAG 715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      716 TCATTAAAGAAGAAACTAAGCACAGTGAAATGGCAGAAGACCTGTGCAAG 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           816 CAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTGGGGACAAGGGCCTGT 865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCGACACGCCCTACGACAGTGCCACGTACGAGAAGGAGGAAAGGAATGATG 915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     166 AATGTTAAAGTAGAGACTCAGAGTGATGAAGAATGGGCGTGCCTGTGA
                                                                                                                                                                                                                                                                                      416 ACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGCGGGGCCTCATTCACC
                                                                                                                                                                                                                                                                                                                                                                            466 CAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCATTCCGGGGAGAAGCC
                                                                                                                                                                                                                                                                                                                                                                                         101 GlnLysGlyAsnLeuLeuArgHisIleLysLeuHisSerGlyGluLysPr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              766 ATAGGATCAGAGATCTCTCGTGCTGGACAGACTAGCAAGTAATGTCGC
                                    Align seg 1/1 to: US-08-733-622C-25 from: 1 to: 461
           US-08-711-417C-165 x US-08-733-622C-25
alignment_block:
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1066 ACCCCGCGCTCCAACCACTCGGCCCAGGACACCGCCGTGGAGTACCTGCT 1115
1016 TGGTCCCGGTCATCAGCCCGATGTACCAGCTGCACAGGCGCTCGGAGGGC 1065
                                                                                                                                                  1116 GCTGCTCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGAGGCGTCCCCGA 1165
                                                                                                                                                                                                                              1166 GCAACAGCTGCCAAGACTCCACGGACACCGAGCAACAACGAGGAGCAG 1215
                                                                                                                                                                                                                                                                                                           1216 CGCAGCGGTCTTATCTACCTGACCAACCACATCGCCCGACGCGCGAACG 1265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-4
                                                                                                                                                                                                                                                                                                                                                                                     CGTGTCGCTCAAGGAGGACCCCGCGCCTACGACCTGCTGCGCGCCGCCT 1315
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1316 CCGAGAACTCGCAGGACGCGTCCGCGTGGTCAGCACCAGCGGGGAGCAG 1365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATGTACACCATCCACATGGGCTGCCACGGCTTCCGTGATCCTTTTGAGT 1465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1466 GCAACATGTGCGGCTACCACAGCCAGGACCGGTACGAGTTCTCGTCGCAC 1515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1366 ATGAAGGTGTACAAGTGCGAACACTGCCGGGTGCTCTTCCTGGATCACGT 1415
                    417 IMetTyrThrIleHisMetGlyCysHisGlyPheArgAspProPheGluC 434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: DAEDALOS
FILE REFERENCE: 10287-044001
CURRENT APPLICATION NUMBER: US/10/037,667
CURRENT FILING DATE: 2002-07-23
PRIOR APPLICATION NUMBER: 60/243,110
PRIOR FILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSEQ for Windows Version 4.0
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Gaps: 5
Percent Identity: 90.347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1516 ATAACGCGAGGGGAGCACCGCTTCCACATGAGC 1548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                451 IleThrargGlyGluHisArgPheHisMetSer 461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Quality: 2458.50
Ratio: 4.947
Percent Similarity: 95.946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Mus musculus US-10-037-667-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 4
LENGTH: 515
TYPE: PRT
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alignment\_block:

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GCACACTGTACCCAGTCATTAAAGAAGAAACTAAGCACAGTGAAATGGCA 750
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           851 GGGACAAGGGCCTGTCCGACACGCCCTACGACAGTGCCACGTACGAGAAG 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CACAAATGTGGATATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGA 650
                                                                                                                                                                                                                                                                                                                                      TGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
                                                                                                                                                                                                                                                                                                                                                       117 uLysCysAspileCysGlyIleValCysIleGlyProAsnValLeuMetV 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGC 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGAGGGACGCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCT 600
                                                                                                                                                                                                                                                                                TGGGCGTGCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAA 250
                                                                                                           51 CCCCCCTGTAAGCGATACTCCAGATGAGGGCGATGAGCCCATGCCGATCC 100
                                                                                                                                                                    101 ccgaggaccrcrccaccaccrcggaggacacaaaagcrccaagagrgac 150
                                                                                                                                                                                                                         151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAA 200
                                                                                                                                                                                   751 GAAGACCTGTGCAAGATAGGATCAGAGATCTCTCGTGCTGGACAGACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               801 AGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTG
                                                                                                                                                                                                                                                                                               451 GGGGCCTCATTCACCCAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCA
                                                                                                                                                                                                                                                                                                                                                                                               301 AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                      351 AAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGG
                                                     to: US-10-037-667-4 from: 1 to: 515
US-08-711-417C-165 x US-10-037-667-4
                             Align seg 1/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     701
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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1445 GCTTCCGTGATCCTTTGAGTGCAACATGTGCGGCTACCACAGCCAGGAC 1494
                                                                                                                                                                                                         CGGGCGGTTCCGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCAC 1050
                                                                                                                                                                                                                                                                                                                                                           1098 CGCCGTGGAGTACCTGCTGCTGCTCCAAGGCCAAGTTGGTGCCCTCGG 1147
                                                                                                                                                                                                                                                                                                                                                                                                                                    1148 AGCGCGAGGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAG 1197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1248 CGCCCGACGCGCAACGC...GTGTCGCTCAAGGAGGAGCACCGCGCCT 1294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1345 GTCAGCACCAGGGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCG 1394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1444
                                                                                                                                CATCAACTACCTGGGGGCCGAGTCCCTGCGCCGCTGGTGCAGACGCCCC 1000
                                                                                                                                                                                                                                                                                  1051 AGG...CGCTCGGAGGGCACCCCGCGCTCCAACCACTCGGCCCAGGACAG 1097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          481 lyPheArgAspProPheGluCysAsnMetCysGlyTyrHisSerGlnAsp 497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        349 LysProProSerAspGlyProProArgSerAsnHisSerAlaGlnAsp., 364
                                                                                                                                                                                                                                                                                                                                                                                               365 AlaValAspAsnLeuLeuLeuLeuSerLysAlaLysSerValSerSerG 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                          GAGAACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGC 950
                                                                                            300 Glu...AspMetMetThrSerHisValMetAspGlnAlaIleAsnAsnAl 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1395 GGTGCTCTTCCTGGATCACGTCATGTACACCATCCACATGGGCTGCCACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: AIOLOS GENE
FILE REFERENCE: 10287-030001
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/017,646 PRIOR FILING DATE: 1996-05-14 PRIOR APPLICATION NUMBER: US 60/005,529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 27, Application US/08733622C GENERAL INFORMATION:
APPLICANT: Georgopoulos, Katia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1545 GAGC 1548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              514 uSer 515
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51 CCCCCCTGTAAGGGATACTCCAGATGAGGGCGATGAGCCCATGCCGATCC 100
                                                                                                                                                                                                                                                                                                                                                                                                    101 CCGAGGACCTCTCCACCACCTCGGGAGGACAGCAAAGCTCCAAGAGTGAC 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                            151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     201 TGGGCGTGCCTGTGAATGAATGGGGGAAGAATGTGCGGGGGATTTACGAA 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            251 TGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 AIGGAIGCIGACGAGGGICAAGACAIGTCITICICAICAGGGAAGGAAG 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301 AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACT 350
                                                                                                                                                                                                                                                                                                      351 AAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGG 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     401 TICACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGC 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             451 GGGGCCTCATTCACCCAGAAGGCAACCTGCTCCGGCACATCAAGCTGCA 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             501 TTCCGGGGAGAAGCCCTTCAAATGCCACCTCTGCAACTACGCCTGCCGCC 550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   551 GGAGGGACGCCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCT 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               601 CACAAATGTGGATATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGA 650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       651 GGAACATAAAGAGGGGTGCCACAACTACTTGGAAAGCATGGGCCTTCCGG 700
                                                                                                                                                                                         Percent Identity: 89,635
                                                                                                                                                                                                                                                        Align seg 1/1 to: US-08-733-622C-27 from: 1 to: 518
                                                                                                                                                               Length:
                                                                                                                                                                                Gans
             NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
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US-08-711-417C-165 x US-08-733-622C-27
PRIOR FILING DATE: 1995-10-18
                                                                                                                                                                          Ratio: 4.913
Percent Similarity: 95.202
                                                                                                                                                            Quality: 2437.00
                                                                     ; TYPE: PRT;
; ORGANISM: Mus musculus
US-08-733-622C-27
                                                                                                                                           alignment_scores:
                                                        LENGTH: 518
                                         SEQ ID NO 27
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701 GCACACTGTACCCAGTCATTAAAGAAGAAACTAAGCACAGTGAAATGGCA 750
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                                                                                            751 GAAGACCIGIGCAAGAIAGGAICAGAGAGAICICICGIGCIGGACAGACI 800
                                                                                                           1001 CGGGCGGTTCCGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCAC 1050
                                                                                                                                                                                                                                                                                                                                                                                                                           1051 AGG...CGCTCGGAGGCACCCCGCGTCCAACCACTCGGCCCAGGACAG 1097
                                                                                                                                                 801 AGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAATTTCTTG 850
                                                                                                                                                               851 GGGACAAGGGCCTGTCCGACACGCCCTACGACAGTGCCACGTACGAGAAG 900
                                                                                                                                                                                                                                                            901 GAGAACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGC 950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1098 CGCCGTGGAGTACCTGCTGCTGCTCCCAAGGCCAAGTTGGTGCCTCGG 1147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1148 AGCGCGAGGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAG 1197
                                                                                                                                                                                                                      ||| :::|||||| 300 Glu...AspMetMetThrSerHisValMetAspGlnAlaIleAsnAsnAl 315
                                                                                                                                                                                                                                                                                                                                 1248 CGCCCGACGCGCACGC...GTGTCGCTCAAGGAGGAGCACCGCGCCT 1294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1295 ACGACCTGCTGCGCCCCCTCCGAGAACTCGCAGGACGCGCTCCGCGTG 1344
                                                                                                                                                                                                                                                                                                                                                                                                                                            1345 GTCAGCACCAGCGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCG 1394
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1436 GCTGCCACGGCTTCCGTGATCCTTTTGAGTGCAACATGTGCGGCTACCAC 1485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1486 AGCCAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGAGCACCG 1535
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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               460 TICACCCAGAAGGGCAACCIGCICCGGCACAICAAGCIGCAIICCGGGGA 509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       360 TATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAA 409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 210 CTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATG 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               260 CCTCGGGAGAAAATGAATGGCTCCCACAGGGACCAAGGCAGCTCGGCT 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310 TIGTCGGGAGTIGGAGGCATICGACTICCTAACGGAAAACTAAAGTGIGA 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  160 GCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAAATGGGCGTGC 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       53 LeuSerGlyValGlyGlyIleArgLeuProAsnGlyLysLysCysAs 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    69 pileCysGlyile***CysileGlyProAsnValLeuMetValHisLysA 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Align seg 1/1 to: US-08-733-622C-22 from: 1 to: 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Percent Identity: 90.385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps:
                                                                                                                              APPLICANT: Georgopoulos, Katia
APPLICANT: Georgopoulos, Katia
APPLICANT: Georgopoulos, Bruce A.
TITLE OF INVENTION: ALGLOS GENE
FILE REFERENCE: 10287-030001
CURRENT FILING DATE: 1996-10-17
PRIOR APPLICATION NUMBER: US 60/017,646
PRIOR FILING DATE: 1996-05-14
PRIOR RILING DATE: 1996-05-14
PRIOR RILING DATE: 1995-10-18
PRIOR FILING DATE: 1995-10-18
PRIOR FILING DATE: 1995-10-18
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; NAME/KEY: VARIANT
; LOCATION: (1)...(470)
; OTHER INFORMATION: Xaa - Any Amino Acid
US-08-733-622C-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: majority sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             alignment_block:
US-08-711-417C-165 x US-08-733-622C-22
                                                                                seq_documentation_block:
    Sequence 22, Application US/08733622C
    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         alignment_scores:
Quality: 2207.50
Quality: 5.098
Percent Similarity: 92.521
514 gTyrHisLeuSer 518
                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 470
                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 22
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1404 CCTGGATCACGTCATGTACACCATCCACATG......GGCTGCCACG 1444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1157 CGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAGGAGCAACAAC 1206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1257 CGCG...CAACGCGTGTCGCTCAAGGAGGAGCACCGCGCCTACGACCTGC 1303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1304 TGCGCGCCGCCTCCGAGAACTCGCAGGACGCGCTCCGCGTGGTCAGCACC 1353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1354 AGCGGGGAGCAGCATGAAGGTGTACAAGTGCGAACACTGCCGGGTGCTTT 1403
                                                                                                                                                                                                                                                                                                                                                                              1207 GAGGAGCAGCGCAGCGGTCTTATCTACCTGACCAACCACATCGCCCGACG 1256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1057 TCGGAGGGCACCCCGCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGA 1106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        960 ccreecceaercccreecccecreerecaeaccccceeeccerr 1009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    860 GCCIGICCGACACGCCCTACGACAGIGCCACGIACGAGGAGGAACGAA 909
                                                                                                                                                                                                                                                               910 ATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGCCATCAACTA 959
                                                                                                                                                                             203 CysLysIleGly***GluArgSerLeuValLeuAspArgLeuAlaSerAs 219
                                                                                710 ACCCAGTCATTAAAGAAGAAACTAAGCACAGTGAAATGGCAGAAGACCTG 759
560 CCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCTCACAAATGT 609
          610 GGATATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAA 659
                                                                                                                                                                   760 TGCAAGATAGGATCAGAGAATCTCTCGTGCTGGACAGACTAGCAAGTAA
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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-26
1445 GCTTCCGTGATCCTTTTGAGTGCAACATGTGCGGCTACCACAGGCCAGGAC 1494
                                                               1495 CGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCGCTTCCACAT 1544
                                                                                    101 CCGAGGACCTCTCCACCACCTCGGGAGGACAGCAAAGCTCCAAGAGTGAC 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGGGCGTGCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAA 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            251 IGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             34 roGluAspLeuSerThrThrSerGlyAlaGlnGlnAsnSerLysSerAsp 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps: 6
Percent Identity: 74.280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Align seg 1/1 to: US-08-733-622C-26 from: 1 to: 432
                                                                                                                                                                                                                        seq_documentation_block:
Sequence 26, Application US/08733622C
GENERAL INFORMATION:
APPLICANT: Morgan, Bruce A.
TILLE OF INVENTION: ADIOLOS GENE
FILE REFERENCE: 10287-030001
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-711-417C-165 x US-08-733-622C-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          alignment_scores:
Quality: 1963.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ratio: 4.776
Percent Similarity: 78.887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Mus musculus US-08-733-622C-26
                                                                                                                                1545 GAGC 1548
                                                                                                                                                               469 *Ser 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                alignment_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 26
LENGTH: 432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              201
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1247	3AGGAGCACGCACCGTCTTATCTACCTGACCACCACCACAT	1198
1197 311	SCAACAGCTGCCAAGACTCCACGGACACCGA 	1148
114 <i>7</i> 295	TGCTGCTGCTCTCCAAGGCCAAGTTGGTGC 	1098
1097 278	ე – გ	1051
1050 262	CCGAGGTGGTCCCGGTCATCAG	1001
1000 246	CATCAACTACCTGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCCC	951
950 229	AATGATGAAGTCCCACGTGA 	901
900 213	AGGGCCTGTCCGACACGCCCTACGACAGTGCCACGTAC( 	851 197
197	:	197
850	SCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTC	
	ACCT & LOCARGA LAGGATCAGAGATCTCTCGTGCTGGACAGA	196
196		6
750	actgtacccagtcattaaagaagaaactaagcacagtgaaatgg	701
196		196
ō	AACATAAAGAGGGTGCCACAACTACTTGGAAAGCATGGGCCTTCCG	651
		196
650	aatgtggatattgtggccgaagctataaacagcgaacgtctttag	601
600 196	CCACTGGCCACCTGAGGACGCACTCCGTTGGTA 	551
550 184	GAAGCCCTTCAAATGCCACCTCTGCAACTACGCCTGC 	501
500	GGGGCCTCATTCACCCAGAAGGGCAACCTGCTCCGG 	451
45	TTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTG 	401
400	AAAGTGTGATATCTGTGGGATCATTTGCAT 	351

TCAAGGAGGAGCACCGCCT 1294             ::        eulysGluGluGlnArgAlaT 345	TCGCAGGACGCCTCCGCGTG 1344 	GTACAAGTGCGAACACTGCCG 1394 	CCATCCACATGG 1435 	TECRACATGTGCGGCTACCAC 1485 	CATAACGCGAGGGGAGCACG 1535 		_NEW_COMB.pep:US-08-733-622C-24	2C 733,622C 7,646 5,529 ion 4.0	Length: 521 Gaps: t identity: 73.129	-24	from: 1 to: 431	CTTTCTCATCAGGAAGGAAAG 50 	GGCGATGAGCCCATGC 100 	ACAGCAAAGCTCCAAGAGTGAC 150 :      :::              aGInGlnAsnSerLysSerAsp 50
1248 CGCCCGACGCGCAACGCGTGTCGCTCAAGGAGGAGCACCGCCCT :::::   :::    :::	1295 ACGACCTGCTGCGCGCCCTCCGAGAACTCGCAGGACGCGCTCCGCG   :::::	1345 GTCAGCACCAGCGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCG 	1395 GGTGCTCTCCTGGATCACGTCATGTACACCATCCACATG	1436 GCTGCCACGCTTCCGTGATCCTTTTGAGTGCAACATCTGCGGCTACCAC	1486 AGCCAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCG 	1536 CTTCCACATGAGC 1548  :::   :::    428 gTyrHisLeuSer 432	eq_name: /cgn2_6/ptodata/1/paa/US08_	eq_documentation_block: Sequence 24, Application US/08733622C GENERAL INFORMATION: APPLICANT: Georgopoulos, Katia APPLICANT: Georgopoulos, Katia APPLICANT: Morgan, Bruce A. TITLE OF INVENTION: ALOLOS GENE FILE REFERENCE: 10287-03001 CURRENT APPLICATION NUMBER: US/08/73 CURRENT FILING DATE: 1996-10-17 PRIOR FILING DATE: 1996-05-14 TRUBER OF SEQ ID NOS: 38 SOFTWARE: FastSEQ for Windows Versic SEQ ID NO 24 LENGTH: 431 TYPE: PRT ORGANISM: Mus musculus SIS-08-733-622C-24	### 1923.50  Quality: 1923.50  Ratio: 4.703  Percent Similarity: 78.503 Percent	111gnment_block: US-08-711-417C-165 x US-08-733-622C	Align seg 1/1 to: US-08-733-622C-24	1 ATGGATGCTGACGGTCAAGACATGTCTTTCTCATCAGGGAAGGAA	51 CCCCCTGTAAGCGATACTCCAGATGAGGGGGATGAGCCCATGCCGATCC	<pre>j01 ccgAgGACCTCCACCACCTCGGGAGGACACAACAAGCTCCAAGAGTGAC</pre>

151	AGTCGT	
51	::: yMet	
201	CGTGCCTGTGAATGAATGGGGAAGAATGTGCGGA	
53	53	
251	TTGATGCCTCGGGAGAGAAAATGAATGGCTCCCACAGĠ	
53	53	
301	CTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAAC	
53		
351	AAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTC	
53	£3 53	
401	TTCACAAAAGAAGCCACACACTGGAGAACGGCCC	
54		
451	GGGCCTCATTCACCC	
501	TTCCGGGG	
551	GGAGGACGCCTCACTGGCCACCTGAGGACGCA	
97		
601	1 CACAAATGTGGATATTGTGGCCGAAGCTATAAACGGCGAACGTCTTTAGA 650	
651	1 GGAACATAAAGAGCGCTGCCACAACTACTTGGAAAGCATGGGCCTTCCGG 700	
701	CTGTACCCAGTCATTAAAGAAGAAACTAAGCAOAGTGAAATGGCA 75	
147	yvalCysProvalIleLysGluGluThrAsnHisAsnGluMetAla 16	
751	1 GAAGACCTGTGCAAGATAGGATCAGAGAGATCTCTCGTGCTGGACAGACT 800	
807	1 AGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTG 850	
<b>∟</b> Ω	GGGACAAGGGCCTGTCCGACACGCCCTACGACAGTGCCACGTACGAGAAG 9	_
6		
90.	1 GAGAACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGC 950	
95.	1 CATCAACTACCTGGGGCCGAGTCCCTGGCCCGCTGGTGCAGACGCCCC 100	8 .,
100	CGGGCGGTTCCCGGTCCCCGGTCATCAGCCCGATGTACCAGCTGCAC 105	
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alignment\_block

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seq_name: /cgn2_6/ptodata/1/paa/US08_nEW_COMB.pep:US-08-733-622C-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1486 AGCCAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCG 1535
1051 AGG...CGCTCGGAGGCCACCCCGCGCTCCAACCACTCGGCCCAGGACAG 1097
                                                                                                                                        1148 AGCGCGAGGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAG 1197
                                                                                                                                                                                                            CGCCCGACGCGCGCAACGC...GTGTCGCTCAAGGAGGAGCACCGCGCCT 1294
                                                                                                                                                                                                                                                                                                                                                      ACGACCTGCTGCCCCCCCCTCCGAGAACTCGCAGGACGCGCTCCGCGTG 1344
                                                                                                                                                                                                                                                                                                                                                                                                                         1345 GTCAGCACCAGCGGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCG 1394
                                                                                                                                                          394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 SerAsnAlaGluGluGlnArgSerGlyLeuIleTyrLeuThrAsnHisIl
                  1098 CCCCGTGGAGTACCTGCTGCTCCTCCAAGCCCAAGTTGGTGCCCTCGG
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GEOGROPOULOS, Katia
TITLE OF INVENTION: AIOLOS GENE
FILE REFERENCE: 10289-030010
CURRENT FILING DATE: 1996-10-17
PRIOR FILING DATE: 1996-10-17
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
SEQ ID NO 23
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Quality: 1740.00
Ratio: 5.210
Percent Similarity: 88.830
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gTyrHisLeuSer 431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               seg_documentation_block
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-733-622C-23
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1071 GCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGAGTACCTGCTGCTGC 1120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 971 AGTCCCTGCGCCCGCTGGTGCAGACGCCCCGGGGGGGTTCCGAGGTGGTC 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .021 CCGGTCATCAGCCCGATGTACCAGCTGCACAGGCGCTCGGAGGGCACCCC 1070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      871 ACGCCCTACGACAGTGCCACGTACGAGAAGGAGAACGAAATGATGAAGTC 920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     421 GGAGAACGGCCCTTCCAGTGCAATCAGTGCGGGGCCTCATTCACCCAGAA 470
                                                                                                                            471 GGGCAACCIGCICCGGCACAICAAGCIGCAIICCGGGGAGAGGCCCIICA 520
                                                                                                                                                                                                                                                      571 CACCTGAGGACGCACTCCGTTGGTAAACCTCACAAATGTGGATATTGTGG 620
                                                                                                                                                                                                                                                                                                                   621 CCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAAAGAGCGCTGCC 670
                                                                                                                                                                                                                                                                                                                                                                                                                                             721 AAAGAAGAAACTAAGCACAGTGAAATGGCAGAAGACCTGTGCAAGATAGG 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATCAGAGAGATCTCTCGTGCTGGACAGACTAGCAAGTAATGTCGCCAAAC 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GlyGluArgProPheGlnCysAsnGlnCysGlyAlaSerPheThrGlnLy 17
                                                                                                                                                                                                         17 sGlyAsnLeuLeuArgHisIleLysLeuHisSerGlyGluLysProPheL 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AATGCCACCTCTGCAACTACGCCTGCCGCCGGAGGGACGCCCTCACTGGC
                                                                                                                                                                                                                                                                                                                                                                                 671 ACAACTACTTGGAAAGCATGGGCCTTCCGGGCACACTGTACCCAGTCATT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTAAGAGCTCTATGCCTCAGAAATTTCTTGGGGACAAGGGCCCTGTCCGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CCACGTGATGGACCAAGCCATCAACACGCCATCAACTACCTGGGGGCCG
                                                                                                                                          to: 334
                            to: US-08-733-622C-23 from: 1
US-08-711-417C-165 x US-08-733-622C-23
                             Align seg 1/1
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1271 CGCTCAAGGAGCACCGCGCCTACGACCTGCTGCGCGCCCCCCGG 1320 	
1321 AACTCGCAGGACGCGCTCCGCGTGGTCAGCACCAGCGGGGGGAGCAGAA 1370 	
1371 GGTGTACAAGTGCGAACACTGCCGGGTGCTCTTCCTGGATCACGTCATGT 1420 	
1421 ACACCATCCACATGGGCTGCCACGGCTTCCGTGATCCTTTTGAGTGCAAC 1470 	
1471 ATGTGCGCTACCACACCAGGACCGGTACGAGTTCTCGTCGCACATAAC 1520 	
1521 GCGAGGGACCCGCTTCCACATGAGC 1548 	
eq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-28	
eq_documentation_block: Sequence 28, Application US/08733622C GENERAL INFORMATION: APPLICANT: Georgopoulos, Katia APPLICANT: Georgopoulos, Katia APPLICANT: Georgopoulos, Katia APPLICANT: Morgan, Bruce A. APPLICANT: Morgan, Bruce A. APPLICANT: Morgan, Bruce A. FILE REFERENCE: 10287-030001 CURRENT APPLICATION NUMBER: US/08/733,622C CURRENT FILING DATE: 1996-10-17 PRIOR APPLICATION NUMBER: US 60/017,646 PRIOR APPLICATION NUMBER: US 60/005,529	
lignment_scores: Quality: 1681.00 Length: 521 Ratio: 4.556 Gaps: 7 Percent Similarity: 70.825 Percent Identity: 65.835	
lignment_block: US-08-711-417C-165 x US-08-733-622C-28	
Align seg 1/1 to: US-08-733-622C-28 from: 1 to: 390	
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51 CCCCCTGTAAGGGATACTCCAGATGAGGGCATGACCCATGCCGATCC 100 	
101 CCGAGGACCTCTCCACCACCTCGGGAGGACAGCAAAGCTCCAAGAGTGAC 150 	
151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAAA 200 ,     :: 51 ArgGlyMet.	

201	TGGGCGTGCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAA 2	250
53	νή	53
251	CGGGAGAGAAAATGAATGGCTCCCACAGGGACCAAGGC 3	300
53		53
301	CTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGG	350
53	In	53
351	GATATCTGTGGGATCATTTGCATCGGGCCCCAATGTGCTCATGG 4	00
53	ιά	53
	CACTGGAGAACGCCCTTCCAGTGCAATCAGTGC 4	
24 451		200
64	aSerPheThrGlnLysGlyAsnLeuLeuArgHisIleLysLeuHi 8	90
501 80	TTCCGGGGAGAGCCTTCAAATGCCACCTCTGCAACTACGCCTGCCGCC 5	550
551 97	TGGTAAACCT 6	009
601	CAAATGTGGATATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGA 6	550
109	1	601
651	AACATAAAGAGGGTGCCACAAACTACTTGGAAAGCATGGGCCTTCCGG 7	00,
109		601
701	TACCCAGTCATTAAAGAAGAAACTAAGCACAGTGAAATGGCA 7	150
110	vallleLysGluGluThrasnHisAsnGluMetAla 1	121
751	AAGACCTGTGCAAGATAGGATCAGAGATCTCTCGTGCTGGACAGACT 8	300
122	spreucystysileGlyAlaGluArgSerLeuValLeuAspArgLe 1	138
801	CAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTG 8	350
138	aSerAsnValAlaLysArgLysSerSerMetProGlnLysPheLeuG 1	155
851	SACAAGGGCTGTCCGACACGCCCTACGACAGTGCCACGTACGAGAG 9	000
155	CysLeuSerAspMetProTyrAspSerAlaAsnTyrGluLys 1	.71
901	SAACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAAGC 9	920
172	rHisValMetAspGlnAlaIleAsnAsnAl 1	87
S	CATCAACTACCTGGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCCC 10	0
187	eAsnTyrLeuGlyAlaGluSerLeuArgProLeuValGlnThrProP 2	0
1001	CGGGGGGTTCCGAGGTGCTCCGGTCATCAGCCCGATGTACCAGCTGCAC 10	.050
) i	Lyberbergiuvarvarrariteberberbermins z	9 6
1051	AGSGGCTGGGGGGGCACCGGGGCCACCCAGCTGGGCCGGGAAG 10 .:: LysProProSerAspGlyProProArgSerAshHisSerAlaGlnAsp. 22	36

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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1535
GGTGCTCTTCCTGGATCACGTCATGTACACCATCCACATG......G 1435
                                                               1295 ACGACCTGCTGCGCCCCCCCCGAGAACTCGCAGGACGCGCTCCGCGTG 1344
                                                                                                                                                                                                                                                                                                                                        1345 GTCAGCACCAGCGGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCG 1394
                                                                                                                                  1248 CGCCCGACGCGCGCAACGC...GTGTCGCTCAAGGAGGAGCACCGCGCCCT 1294
                                                                                                                                                                                                                                                                                       353 lyCysHisGlyPheArgAspProPheGluCysAsnMetCysGlyTyrHis 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1436 GCTGCCACGCTTCCGTGATCCTTTTGAGTGCAACATGTGCGGCTACCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1486 AGCCAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCG
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Percent Identity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Georgopoulos, Katia
APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: ALOLOS GENE
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
NUMBER OF SEQ ID NOS: 38
SEQ ID NO 29
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Ratio: 4.565
nilarity: 68.330
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Percent Similarity:
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                                                                                                                                                                                                                                                                                                                                                  AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACT
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                  101 CCGAGGACCTCTCCACCTCGGGAGGACACCAAAGCTCCAAGAGTGAC
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901 GAGAACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGC 950
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Sequence 2, Application US/10037667

GENERAL INFORMATION:

APPLICANT: MOOTAIN.

TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT BY

TITLE OF INVENTION: DEBDALOS

FILE REFERENCE: 10287-044001

CURRENT APPLICATION NUMBER: US/10/037,667

CURRENT FILING DATE: 2000-10-23

PRIOR FILING DATE: 2000-10-25
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SOFTWARE: FastSEQ for Windows Version 4.0
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LENGTH: 532
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Gaps: 11
Percent Identity: 53.089
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US-08-711-417C-165 x US-10-037-667-2
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Ratio: 3.436
Percent Similarity: 76.448
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-037-667-2
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                                 778 AGATCTCTCGTGCTGGACAGACTAGCAAGTAATGTCGCCAAACGTAAGAG
                                                           368 AsnArgIleGluArgProlleSerArgGluThrSerAspSerHisGluAs
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Gaps: 16
Percent Identity: 52.281
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Sequence 2, Application US/08733622C
GENERAL INFORMATION:
APPLICANT: Georgopoulos, Katia
APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: AIOLOS GENE
FILE REFERENCE: 10287-030001
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR PILING DATE: 1996-10-17
PRIOR APPLICATION NUMBER: US 60/017,646
PRIOR FILING DATE: 1996-10-18
NUMBER OF SEQ ID NOS: 38
NUMBER OF SEQ ID NOS: 38
SOFFWARE: FastSEQ for Windows Version 4.0
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US-08-711-417C-165 x US-08-733-622C-2
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Ratio: 3.305
Percent Similarity: 74.905
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                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 2
LENGTH: 507
TYPE: PRT
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Page 14

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1033 CCGATGTACCAGCTGCAC...AGGCGCTCGGAG.......GGCACCCC 1070
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1221 CGGTCTTATCTACCTGACCAACCACATC.......GCCCGACGCG 1258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1259 CGCAACGCGTGTCGCTCAAGGAGGAGCACCGCGCCTACGACCTGCTGCGGC 1308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1309 GCCGCCTCCGAGAACTCGCAGGACGCGCTCCGCGTGGTCAGCACCAGCGG 1358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         986 TGGTGCAGACGCCCCCGGGC...GGTTCCGAGGTGGTCCCGGTCATCAGC 1032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1071 GCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGAGTACCTGCTGCTGC 1120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1171 AGCTGCCAAGACTCCACGGACACCGAGAGCAACAACGAGGAGCAGCGCAG 1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               364 euLeuProGluLysIleLeuProSerGluArgGlyLeuSerProAsnAsn 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      112 1yMetProLeu...LeuLysGluValProArgSerPheGluLeuLeuLys 427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 428 ProProProlleCysLeuArgAspSerlleLysVallleAsnLysGluGl 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :::||| :::|| 339 ServalTyrProIleAlaLeuThrArgAlaAspMetProMetGlyAlaPr 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  397 s.....LeuTyrGlnGlnSerHisValValLeuProGlnAlaArgAsnG 412
                                                                                                                                                                                                                                                                                                                                                                                                 842 AATITCTTGGGGACAAG...GGCCTGTCCGACACGCCCTACGACAGTGCC 888
164 eLysLeuHisThrGlyGluLysProPheLysCysHisLeuCysAsnTyrA 181
                                                                                                                                                                                GICITIAGAGGAACATAAAGAGCGCTGCCACAACTACTTGGAAAGCATGG 691
                                                                                                                                                                                                                                                       692 GCCTTCCGGGCACACTGTACCCAGTCATTAAAGAAGAAACTAAGCACAGT 741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             889 ... ACGTACGAGAAGGAGAACGAAATGATGAAGTCCCACGTGATGGACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  289 TyrMetTyrGluLysGluAsnGluMetMetGlnThrArgMetMetAspGl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 936 AGCCATCAACAACGCCATCAACTACCTGGGGGCCGAGTCCCTGCGCCCGC
                                                                                                                                                                                                     742 GAAATGGCAGAAGACCTGTGCAAGATAGGATCAGAGAGATCTCTCGTGCT
                                                                                                                                                                                      642
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seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-3
                                                                                            1459 ITIGAGIGCAACAIGIGCGGCIACCACAGCCAGGACCGGIACGAGIICIC 1508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       313 TCG.......GGAGTTGGAGGCATTCGACTTCCTAA 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        169 .....GITAAAGTAGAGACTCAGAGTGATGAAGAAATGGGCGTGCCTG 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               213 TGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCT 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   263 CGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGCAGCTCGGCTTTG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98 SerIleLysLeuGluArgHisValProTyrAspAsnSerArgProThrSe 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               75 TGAG...GGCGATGAGCCCATGCCGATCCCCGAGGACCTCTCCACCACCT 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      122 CGGGAGGACAGCAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAAT... 168
                        : ::::::||| ||||:::
81 luGluSerGluMetProTyrSerTyrAlaArgGluTyrSerAspTyrGlu 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24 palaLeuAsnAspTyrSerLeuProLysProHisGluIleGluAsnValA 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    41 spSerArgGluAlaProAlaAsnGluAspGluAspAlaGlyGluAspSer 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           58 MetLysValLysAspGluTyrSerAspArgAspGluAsnIleMetLysPr 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  74 oGluProMetGly.....AspAlaG 81
                                                                                                                                                                                                                                                                                                                                                        seq_documentation_block:
Sequence 3, Application US/10037667
GENERAL INFORMATION:
TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT BY TITLE OF INVENTION: DAEDALOS
TITLE OF INVENTION: DAEDALOS
FILE REFERENCE: 10287-0444011
CURRENT APPLICATION NUMBER: 05/10/037,667
CURRENT FILING DATE: 2002-07-23
FRIOR APPLICATION NUMBER: 60/243,110
PRIOR FILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FRASESQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25 ATGICITICICAICAGGAAGGAAAGCCCCCCTGIAAGCGAIACICCAGA
.409 ATCACGTCATGTACACCATCCACATGGGCTGCCACGGCTTCCGTGATCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length: 526
Gaps: 16
Percent Identity: 52.281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Align seg 1/1 to: US-10-037-667-3 from: 1 to: 507
                                                                                                                                                                                                     1509 GTCGCACATAACGCGAGGGGAGCACCGC 1536
                                                                                                                                                                                                                                494 rSerHisIleAlaArgGlyGluHisArg 503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-711-417C-165 x US-10-037-667-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Quality: 1301.00
Ratio: 3.310
Percent Similarity: 74.715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Mus musculus US-10-037-667-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  alignment_scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            alignment block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEO ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
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CCAATG 39
AGCACACTGAGACGCCCTTCCAGTG
CCAGAAGGCAACTGCTCCGGCACAT 49
ATGCCACCTCTGCAACTACG 54
CACTGGCCACCTGAGGACGCACTCCGTT 59
CAGCGAAC 64:       :: GlnArgSe 21:
CATGG 69 : nProA 23
AGCACAGT 74 ::    rqHisIle 24
GTGCAAGATAGGATCAGAGAGATCTCTCGTGCT 79 ::::::::              -AlaGluMetGlySerGluArQAJaLeuvalia-25;
RAGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGA 84
GACACGCCTACGACAGTGCC 88:
93.0
TCAACTACCTGGGGGCCGAGTCCCTTCGCCCGC 98:
GAGGTGGTCCCGGTCATCAGC 10:    :::
TCGGAGGGCACCC 10:11:1:11  AlaAspMetProMetGlvalabr 35:
ACTCGGCCCAGGACAGCGCGTGGAGTACCTGCTGCTGC 11::
AGCGCGAGGCGTCCCGGAGCAAC 11.
AGCGCAG 12:
CACATCGCCCGACGCG 12

397 SLeuTyrGlnGlnScrHisValLeuProGlnAlaArqAsnG 412
1259 CGCAACGCGTGTCGCTCAAGGAGGAGCACCGCCTACGACCTGCTGCGC 1308 :::::
р — ч ч 4
TCCTGG 14
1409 ATCACGTCATGTACACCATCCACATGGGCTGCCACGGCTTCCGTGATCCT 1458   :::       :::
15
seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-1
seq_documentation_block:  Sequence 1, Application US/10037667  Sequence 1, Application US/10037667  Sequence 1, Application US/10037667  TILE OF INVENTION: Bruce A.  TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT BY TITLE OF INVENTION: DADBALOS  FILE REPRENCE: 10287-044001  CURRENT APPLICATION NUMBER: US/10/037,667  CURRENT FILING DATE: 2000-10-25  NUMBER: OF SEQ ID NOS: 13  SOFTWARE: FastSEQ for Windows Version 4.0  LENGTH: 537  TYPE: PRT  CORGANISM: Mus musculus  US-10-037-667-1
alignment_scores:         Quality: 1282.50
alignment_block: US-08-711-417C-165 x US-10-037-667-1
Align seg 1/1 to: US-10-037-667-1 from: 1 to: 537
94 CCGATCCCGGAGGACCTCTCCACCACCGGGAGGACGGAAGCTCCAA 143    :::  22 ProValGlyProSerValSerThrProAsnSerGlnHisSerSerPr 37
144 GAGTGACAGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATG 193 
194 AAGAGAATGGGCGTGCTGTGAAATGAATGGGGAAGAATGTGCGGAGGAT 243      ::::::      101USGrSerArgLeuLeuGlyProAsp 63

64 GluArgLeuLeuAspL	ServallleValGluAspSerLeuSe 80
7	CTCCCACAGGGACCAAGGCAGCTCGG 307
80 rGluProLeuGlyTyrC	rGlyProGluProHisS
CITIGICGGGAGITG	SAGGCATICGACTICCTAACGGAAAACTAAAGTGT 357 
97	TGTGCTCATGGTTCACAA 40
0	alLeumetValHisLy 12
408 AAGAAGCCACACTGGAGAACGG 	3GCCCTTCCAGTGCAATCAGTGCGGGGCCT 457 
458 CATTCACCCAGAAGGGCAACCTGCTCCGGC 	TCCGCCACATCAAGCTGCATTCCGGG 507 
508 GAGAAGCCCTTCAAATGCCACCTCTGCAACTAC 	TIGCAACTACGCCTGCCGCGGGGGGA 557 
558 CGCCTCACTGGCCA 	GCCACCTGAGGACGCACTCC
3 GTAAACCTC 	ACAAATGTGGATATTGTGGCCGAAGCTATAAACAGCGAACG 642 ::       ::
43 TCTTTAGAG :::       09 ThrLeuGlu	PAAGAGGGCTGCCACAACTACTTGGAAAGCAIG 690 
91	GGCCTTCCGGGCACACTGTACCCAGTCA 718
19 TTAAAGAAGAAACT	CTGTGCA ::: MetLeuH
Speitife TCAGAGAG :::      ThrGluAr	GCTGGACAGGAGTAATGTCGC 815 GCTGGACAGGAATGTCGC 815 :::            ::::::::::::::::::::::
16 CAAACGTAAGAG :            68 rLysArgLysAr	CTCTATGCCTCAGAAATTTCTTGGGGACAAG 858 
59G : 85 raPheS	CCTACGACAGTGCCACGTAC 894
95 GAG 111 02 Glu	TCC
45 CAA ::: 18 yG1	GGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGA 994 
95 CGCCCCGGGCGC        ::	CCGAGGTGGTCCCGGTCATCCGGATG 1038       :::::
39 TAC	TGCACAGGGGGTGGAGGGCACCCC 1070 ::

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seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1291 GCCTACGACCTGCTGCGCGCGCCTCCGAGAACTCGCAGGACGCGCTCCG 1340
                                                                                                                                                                                                                                                                                                                                        1341 CGTGGTCAGCACCAGCGGGGAGCAGATGAAGGTGTACAAGTGCGAACACT 1390
                                                                                                             1241 ACCACATGGCCCGACGCGCGAACGCGTGTCGCTCAAGGAGGAGCACCGC 1290
                                                                                                                                                                     1221 CGCTCTTATCTACCTG .....ACCA 1240
1071 GCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGAGTACCTGCTGCTGC 1120
                                                        1121 TCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGAGCGTCCCCGAGCAAC 1170
                                                                                                                                                                                      433 levalValGlyArgHisSerProAlaTyrAlaLysGluAspProLysPro 449
                                                                                                                                                                                                                                                                                                    seq_documentation_block:
Sequence 5, Application US/10037667
GENERAL INFORMATION:
APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT BY
TITLE OF INVENTION: DAEDALOS
FILLE REPRENCE: 10287-04401
CURRENT APPLICATION NUMBER: US/10/037,667
CURRENT FILING DATE: 2002-07-23
PRIOR FILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 13
SOUTHARE: FastSEQ for Windows Version 4.0
                                                                     1491 GGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCGC 1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length: 546
Gaps: 17
Percent Identity: 44.322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Align seg 1/1 to: US-10-037-667-5 from: 1 to: 498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   alignment_block:
US-08-711-417C-165 x US-10-037-667-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ratio: 3.283
Percent Similarity: 62.821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Quality: 1126.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Mus musculus US-10-037-667-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 alignment_scores:
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64 GATACTCCAGATGAGCGCATGCCGATCCCGAGGACCTCTC 113   11
- G
SACTCAGAGT 1:
GTGCGGAGGATTACGAATGC 2:::
ACAGGGACCAAGGCAGC 30.
04 TCGGCTTTGTCGGGAGTTGGACGTTCGACTTCCTAACGGAAAACTAAA 35 
354 GTGTGATATCTGTGGGATCATTGCATCGGGCCCAATGTGCTCATGGTTC 403 
45
50
55
60.
65.
ATGGGCCTTCCGGGCA 70:::
704 CACIGIACCCAGICATIAAAGAAGAACIAAGAGAGAGAGAGAAAGGAAAG
AGAGAGATCTCTCGTGCTGGACAGACTAGC 8
4 AAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTT             :::::   SerAsnGluAlaGlnHisLeuProAlaHisProGlyGluTrp
2 CTGTCCGACACCCGTACAST

273	- 1
906	9 AATGATGAAGTCCCACGTGATGGACCAAGCCATCAACACGCCATCAACT 958 
959	ACCTGGGGGCCCGAGTCCCTGCGCCGCTGGTGCAGACGCCCCGGGCGGT ::::    ::: heValGlyGlyFroMetArgLeuProProThran
1009	TCCGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCACAG
1053 334	GCGCTCGGAGGCACCCCGCGCTCCAACCACTCGGCCCAGGACA.::!               ::::     ::::
35	GCGCCGTGGAGTACCTGCTGCTCCTCCAAGGCCAAGTTGGTGCCC
1144 358	GlythrGln1leHisTyrargGlyArgSerGluHisGlyAlaSerProTh 374
1167 374	
1214	1
1264	1 4
1305	4
1349	13
1399 (	14
1449 C	14
1499 A 1 485 Y	

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